

# LaTeX packages

January 12, 2022

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# 1 Section

Dummy text

## 1.1 Subsection

Dummy text

# 2 Another Section

Dummy text

This part can be used with package ‘amsmath’

$$f(x) = x^2$$

This part can be used with package ‘graphicx’

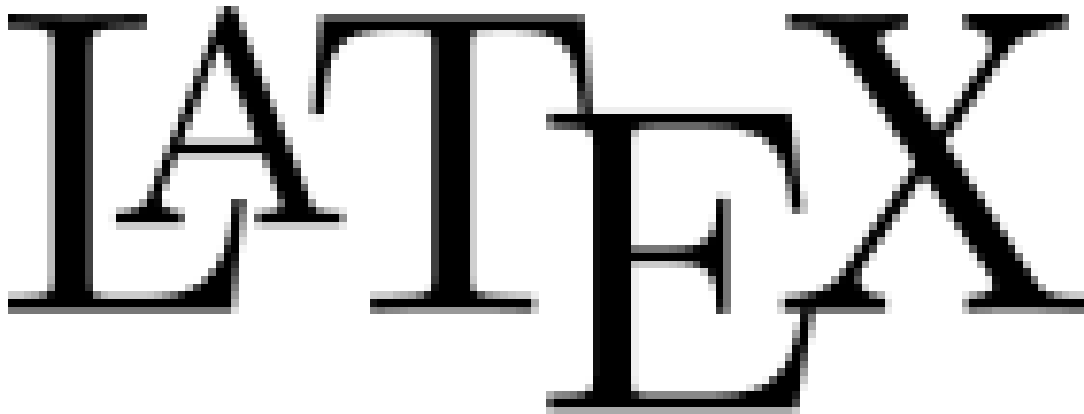
A large, bold, black serif font logo for LaTeX, consisting of the letters 'L', 'A', 'T', 'E', and 'X' in a stylized, slightly irregular arrangement.

Figure 1: LaTeX figure

For subfigures, package ‘subcaption’ is needed

Two identical LaTeX logos from Figure 1 are placed side-by-side, separated by a wide space.

(a) 1

(b) 2

Figure 2: Two subfigures

3 Tables

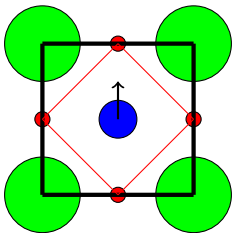
Normal table

A	B	C
L	C	R
left	center	right
1	2	3

booktabs

A	B	C
L	C	R
left	center	right
1	2	3

4 Drawing



These are citations<sup>1</sup> and Paul et al. (“Ferroelectric Phase Transitions in Ultrathin Films of BaTiO<sub>3</sub>”, p. 1) using biblatex.

<sup>1</sup>Nishimatsu et al., “Fast molecular-dynamics simulation for ferroelectric thin-film capacitors using a first-principles effective Hamiltonian”, p. 2.

## References

**Nishimatsu et al.: Fast molecular-dynamics simulation for ferroelectric thin-film capacitors using a first-principles effective Hamiltonian**  
**PhysRevB.78.104104**

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Takeshi Nishimatsu et al. “Fast molecular-dynamics simulation for ferroelectric thin-film capacitors using a first-principles effective Hamiltonian”. In: *Phys. Rev. B* 78 (10 2008), p. 104104. DOI: 10.1103/PhysRevB.78.104104. URL: <https://link.aps.org/doi/10.1103/PhysRevB.78.104104>.

**Paul et al.: Ferroelectric Phase Transitions in Ultrathin Films of BaTiO<sub>3</sub>**  
**PhysRevLett.99.077601**

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Jaita Paul et al. “Ferroelectric Phase Transitions in Ultrathin Films of BaTiO<sub>3</sub>”. In: *Phys. Rev. Lett.* 99 (7 2007), p. 077601. DOI: 10.1103/PhysRevLett.99.077601. URL: <https://link.aps.org/doi/10.1103/PhysRevLett.99.077601>.